SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

LISTEN, SHARE, BUILD

PRESENTED BY

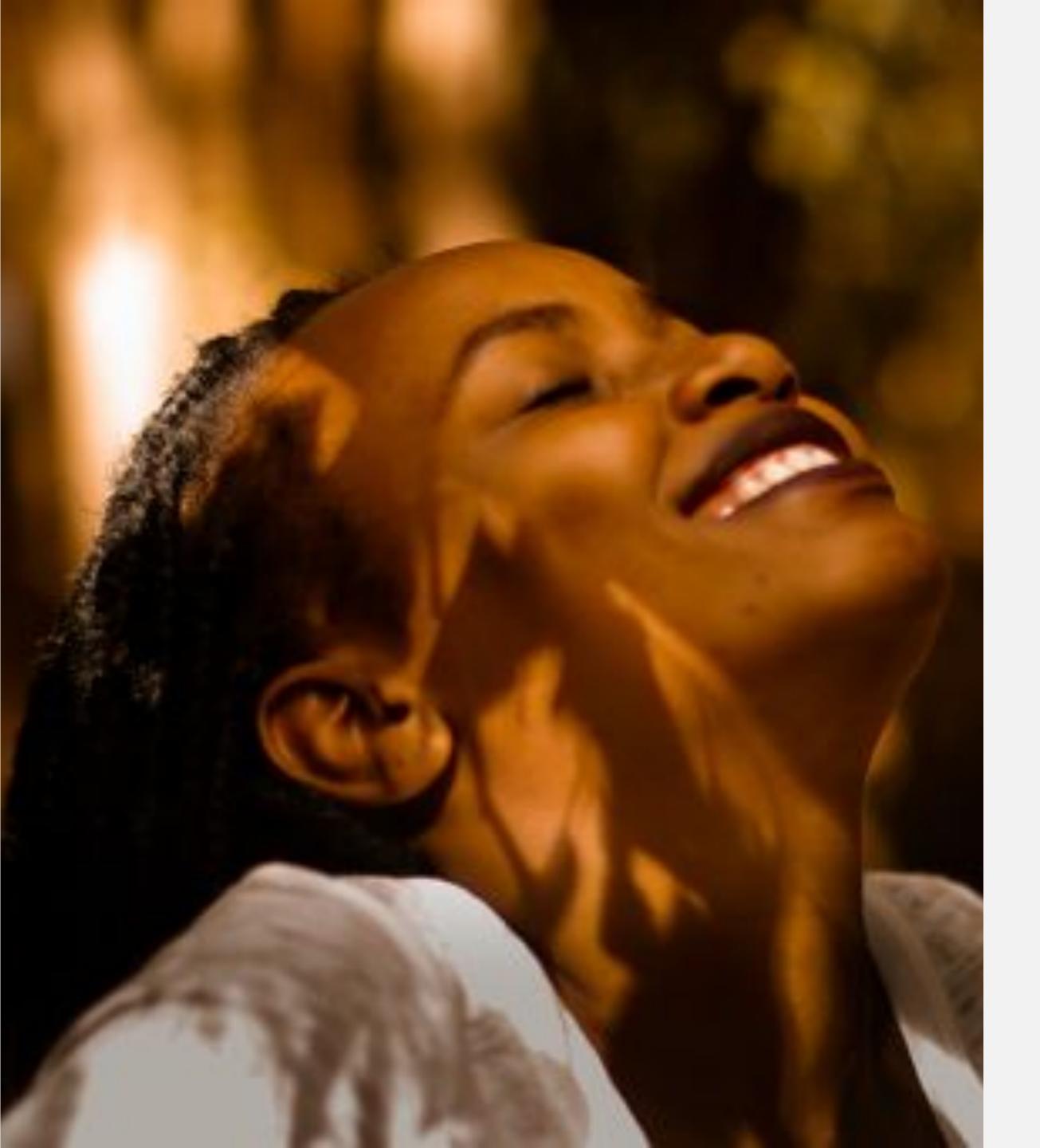
PRESENTED BY THE DEPARTMENT OF PUBLIC HEALTH





PART 2:

+ ENVIRONMENTAL HEALTH



PUBLIC HEALTH OVERVIEW

In the field of Public Health, we are beginning to understand just how important proper health education, access to good quality food, and wellness support are to health

PUBLIC HEALTH OVERVIEW

HEALTH CARE

Treats people who are sick or injured, helps people to prevent injury and illness, and promotes wellness.

The SF Health Network (SFHN) is a community of clinics, hospitals and programs that connects San Franciscans to quality health care, regardless of immigration status or lack of insurance.



POPULATION HEALTH

Works to protect and promote the health of the whole city, and everyone in it.

Focus is on improving health through bolstering and addressing healthy behaviors, community safety, built environment, social/environmental factors and environmental exposures.



ENVIRONMENTAL HEALTH

ENVIRONMENTAL HEALTH IS A CORE FUNCTION OF THE POPULATION HEALTH BRANCH, BUT THIS BRANCH DOES MORE THAN MONITOR AND CONTROL ENVIRONMENTAL HAZARDS TO PUBLIC HEALTH (POLLUTION, TOXIC SUBSTANCES, ETC).

Environmental Health promotes, protects and creates healthy environments. From healthy housing to childhood lead prevention, air quality to hazardous waste and materials, Environmental Health works to improve environments and protect the health of all San Franciscans.





THE CHILDREN'S ENVIRONMENTAL HEALTH PROMOTION PROGRAM

Through the **Children's Environmental Health Promotion Program,** Bayview - Hunters Point families can receive comprehensive home screenings that help families prevent lead exposure and reduce asthma flare-ups caused by in-home pollutants.

ASSESSING POPULATION HEALTH & EQUITY

While San Francisco is one of the healthiest cities in the U.S., Black / African Americans are less so. Some of the disparities can partially be attributed to unevenly distributed obstacles to health. With a focus on nutrition, housing, and physical health, SFDPH, in partnership with other entities in the city of San Francisco, has introduced many programs to support the community as a whole.

COMMUNITY SUPPORT

NUTRITIOUS FOODS

Increase Access to Nutritious Foods:
SFDPH Healthy Retail program

HEALTHY HOUSING

Insure residents have access to healthy housing:
Alice Griffith and Hunters View housing rebuilt



QUALITY OF LIFE

Improve quality of life for residents: Replace Southeast Treatment Plant, 800 ft from nearest residence

COMMUNITY SUPPORT

REDUCE PRETERM BIRTH

Reduce Preterm Birth: Doula Program, Black Infant Health Program

HEART HEALTH

Reduce uncontrolled Blood Pressure and Heart Disease: Healthy Heart Campaign

BLACK AFRICAN AMERICAN HEALTH INITIATIVE (BAAHI)

BAAHI addresses unevenly distributed obstacles to health in Black/African American residents and works to close health disparities (BAAHI includes SFHN)

HEALTH CENTER EXPANSION

Major expansion of Southeast Health Center: \$30 million investment in renovating and expanding primary care clinic that serves the Bayview Hunters Point

COMMUNITY SUPPORT

Sometimes, achieving our mission and vision means supporting those closest to the community

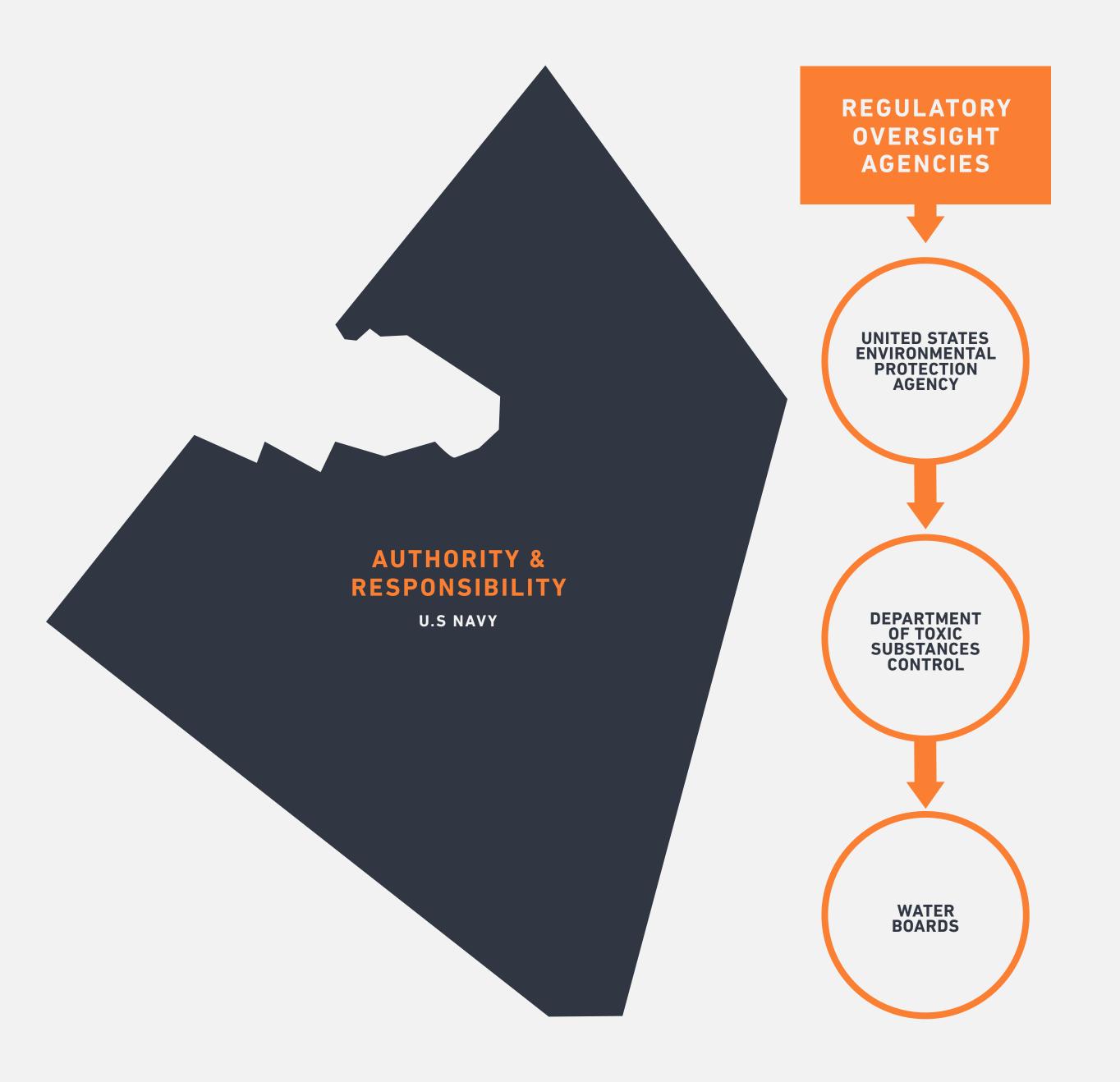
- 3rd Street Youth Center
- · A Better Way
- African American Faith-Based Coalition
- Alternative Family Service
- Bayview Hunters Point Foundation
- Brainstorm Tutoring
- Comprehensive Crisis Services (CCS)
- Edgewood Kinship Program (38J90P)
- Family Mosaic Project
- Foster Care Mental Health Program
- · HealthRight 360

- Homeless Children's Network
- Positive Resource Center-Baker Places
- · Rafiki Coalition
- · Richmond Area Multi-Services, Inc
- SFHN Primary Care
- Southeast Health Center
- Southeast Child Family Therapy Center
- Southeast/Mission Geriatric Services
- UCSF Department of Psychiatry
- YMCA of SF
- YMCA Urban Services
- Southeast Health Center

PART 3: COMMUNITY WITH BEING

CLEANUP AND RESTORATION

As the Department of Public Health, we are here to ensure that the public receives clear and timely information on the progress of the Navy's cleanup and restoration of the land..



CLEANUP AND RESTORATION

The Hunters Point Shipyard cleanup is being paid for by federal funds. The following protections and benefits are part of the project:

The city must use the land in a way that improves the public's health and quality of life

The Navy must bring soil and water back to its natural state

The Navy must bring soil and water back to its natural state

Once all cleanup, restoration, and development is complete, the majority of the site is inspected every year, and the entire site is reviewed every five (5) years to ensure public health is being maintained

CLEANUP AND RESTORATION

San Francisco's Health Planning, Building and Fire Codes require all construction to anticipate and comply with regulatory standards for potential natural hazards that will protect the public into the future:



NATURALLY OCCURRING
ASBESTOS IN
SERPENTINE ROCK

(covers required for all soil)



STRUCTURAL REQUIREMENTS FOR EARTHQUAKE SAFETY

(pre-construction soil preparation resolves residual soil liquefaction potential)



ANTICIPATED RISE IN SEA LEVEL

(due to climate change)



FIRE/DISASTER PREPAREDNESS



DUST CONTROL DURING CONSTRUCTION

UNDERSTANDING RADIATION

The cleanup and restoration of the Hunters Point Shipyard is **to bring soil and water** back to its natural state. In order to do that we must understand that *radiation is* naturally present everywhere.

It is found in soil and rock, the air we breathe, food and water we consume, and our bodies. Everyone is exposed to radiation every day from natural and man-made sources, like medical X-rays or even smoke detectors.

RADIATION IS ENERGY GIVEN OFF BY ATOMS THAT YOU CANNOT SEE, SMELL, OR TASTE.

UNDERSTANDING RADIATION

Radiation is measured in a unit called "Rem".

However, the millirem (mrem), which is 1/1000 of a rem, is used to measure common exposure, like those on the right.

- People in the **United Stated receive an average of 624 mrem of radiation per year** from man-made and natural background radiation sources (NCRP 160).
- So far, radiation levels in the soil and water samples collected were already close to its natural state before the clean-up began.



COMMON LEVELS OF RADIATION









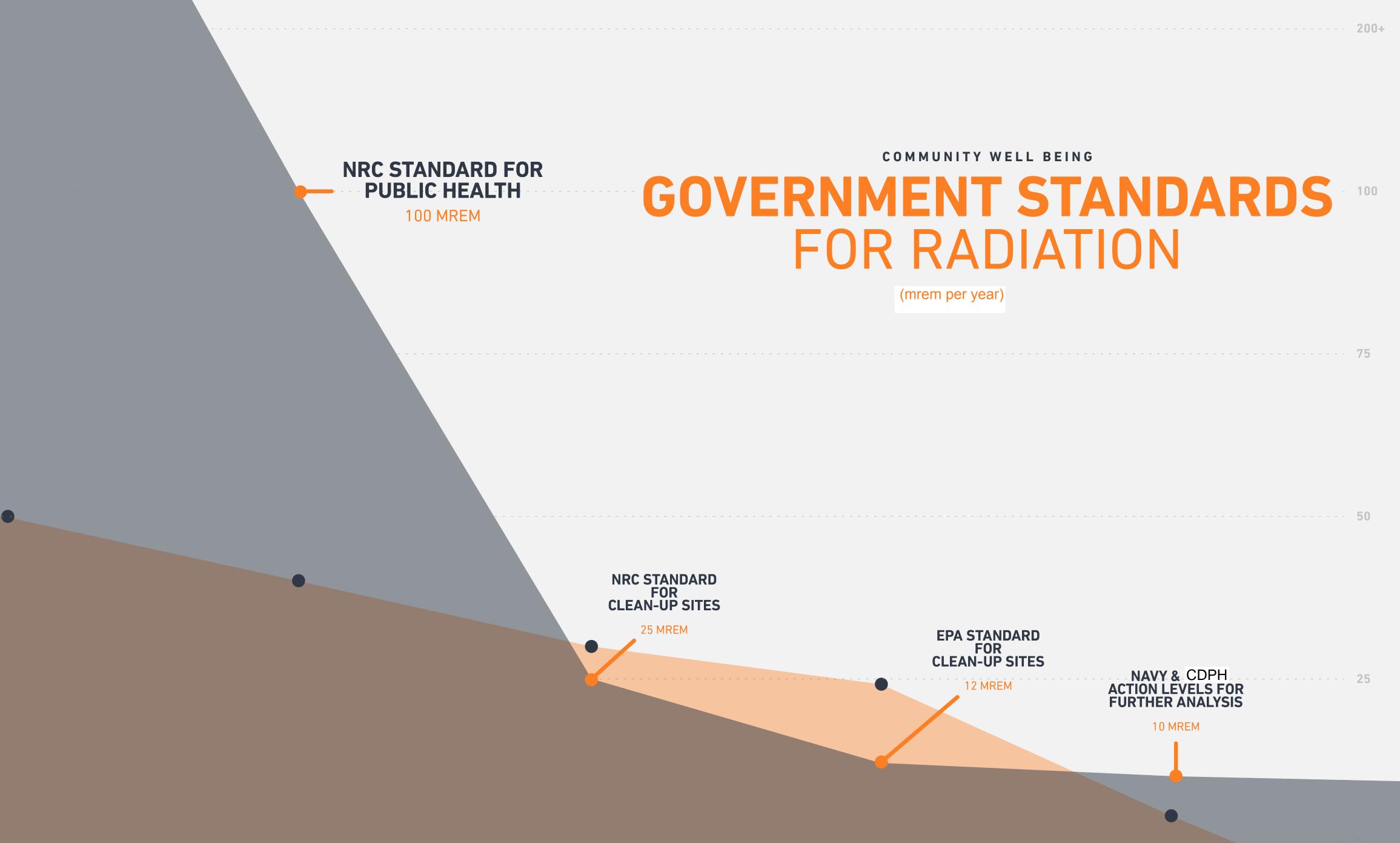


3.7 MREM

100

- -

- 25



UNDERSTANDING THE PAST

PRIOR TO 1970, THESE PROTECTIVE REMEDIES DID NOT EXIST, AND THERE WAS NO FORMAL MONITORING OF PUBLIC EXPOSURE TO RADIATION, LEAD AND ASBESTOS





UNDERSTANDING THE PAST

During the active years of the Hunters Point Shipyard, the naval radiological defense laboratory scientists seeking to understand the effects of radiation did research. The majority of waste from the lab was removed and disposed of in a specific manner -

some was allowed to be poured down the drain.

NAVY RADIOACTIVE COMMODITIES

- During World War II, all U.S. Navy Ships had deck markers, dials, and gauges with glow-in-the-dark paint that contained radium
- Once it was understood that the radium in these objects posed a health risk, the Navy removed these radium containing objects and buried them at the shipyard in the 1950s
- Starting in the 1990s these were dug up and shipped to landfills during the Navy restoration



UNDERSTANDING THE PAST

AS A RESULT, THE PUBLIC WAS REGULARLY EXPOSED TO SUBSTANCES THAT WE NOW KNOW ARE TOXIC

- · Asbestos used to insulate homes, schools and offices across the U.S.
- · Lead was a common ingredient in paint
- Military Personnel and Civilians employed at shipyards may have been at greater risk because formal occupational health standards were not in place until 1971

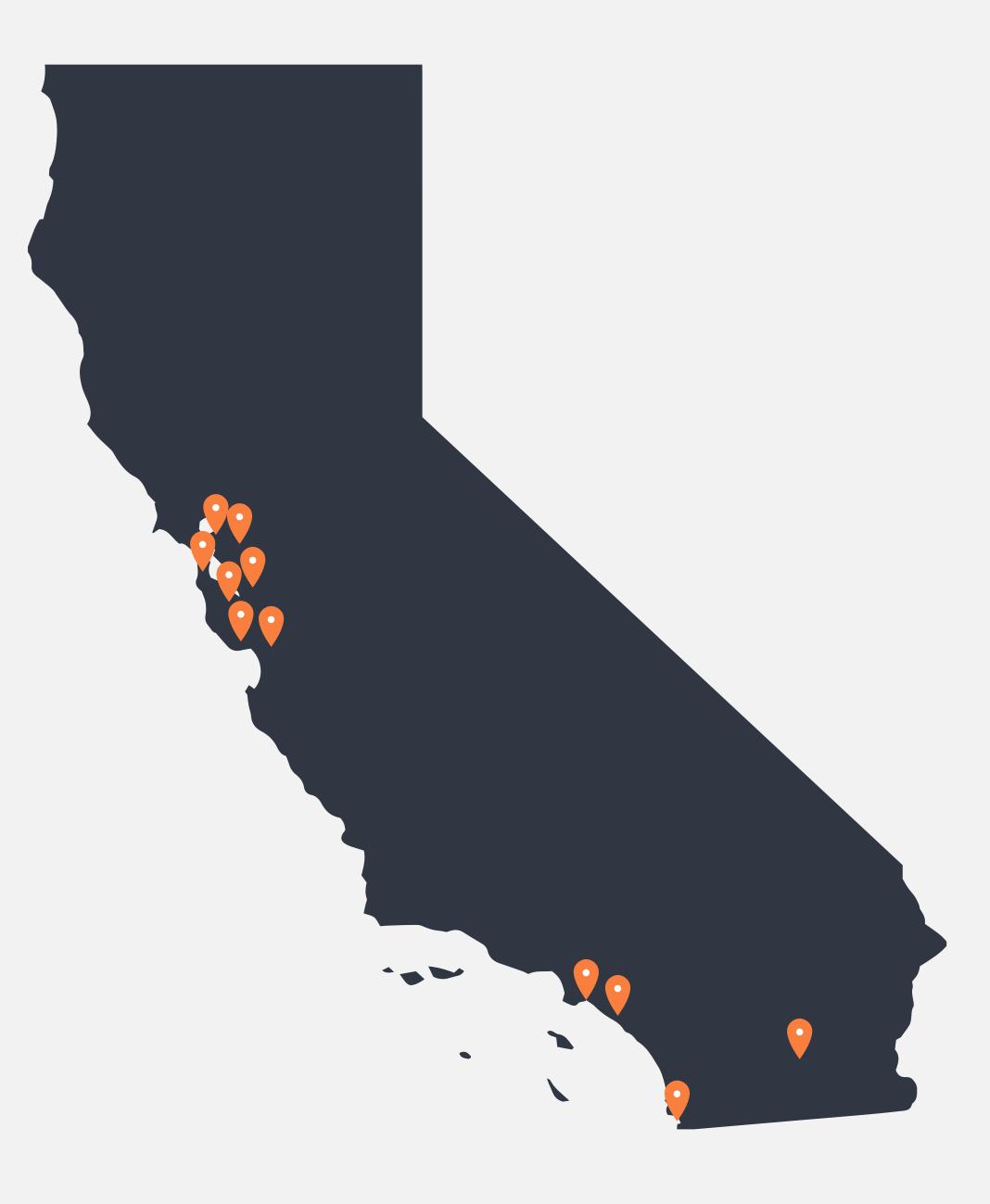
CLEANUP PROGRESS

In 1980, Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act, filling a gap in environmental protection.

Today, eleven (11) former Navy properties across California are being cleaned, restored and developed for everyday use

- · Alameda NAS, CA
- Concord NWS, CA
- · El Toro MCAS, CA
- * Hunters Point NSY, CA
- Long Beach NC, CA
- Mare Island NSY, CA

- Moffett Field NAS, CA
- · Salton Sea Test Base, CA
- · San Diego NTC, CA
- Tustin MCAS, CA
- Treasure Island NS, CA



CLEANUP PROGRESS

THE CLEANUP OF THE HUNTERS POINT SHIPYARD IS STILL IN PROGRESS, AND WE WANT TO ENSURE THE COMMUNITY IS WELL INFORMED OF THE PROGRESS

28 miles of drain pipes, over 100,00 truckloads of contaminated soil have been removed to an offsite approved landfills for chemical waste

 Hundreds of train car loads of soil disposed of as radioactive waste hauled away out of state

HIGHLIGHTS

- Chemical Vapor has been captured and sent offsite for disposal
- Chemicals in groundwater have been treated and broken down into harmless substances
- Shorelines have been protected with rocks to keep soil from entering the bay
- Dust is monitored for radiation and other hazardous chemicals via monitors on workers and required washing and monitor of trucks to ensure contamination does not go off-site

GETTING CLEAN

EVERY STEP must be reviewed and approved by three (3) independent agencies:

US EPA, CA Department of Toxic Substances Control, and San Francisco Regional Water Quality Control Board

01

INVESTIGATION

the Navy checks soil and water for chemicals and radiation above normal everyday levels 02

TREATMENT

If above normal, the Navy creates a plan to bring soil and water back to everyday levels

03

PUBLIC COMMENT

The community is invited to review the treatment plan and share their opinion

04

CLEANUP

The Navy cleans up and restores soil and water to normal everyday levels

05

LAND TRANSFER

Navy officially turned over to the City, and the Office of Community Investment and Infrastructure continues the development process.

(SFDPH plays a regulatory role in the development to ensure it is done in a safe manner, consistent with all federal and state regulatory requirements.)

SFDPH/EHB REVIEWS EVERY STEP TO MAKE SURE THAT THE CLEANUP WILL SUPPORT THE FUTURE COMMUNITY BENEFITS THAT ARE OUTLINED IN THE DEVELOPMENT PLANS

PART 4: CLOSING

CLEANUPPROGRESS

We also want to make sure that we pause and acknowledge when things don't go as well as we planned

LOWLIGHTS

- Tetra Tech, was hired by the Navy to perform soil testing at Hunters Point Shipyard. They were found guilty of committing fraud and two (2) employees were sent to jail
- During the retest of Parcel A by the CDPI, a deck marker was discovered. The item was safely removed and disposed of

CLOSING

WHAT'S NEXT

Retesting of Tetra Tech Areas

(New!) CA-DPH Scan of Parcel A, including residential properties

(Coming Soon!) HPS Hub on SFDPH Website

Continued Community Support

CLOSING

COMMUNITY SUPPORT APPENDIX

FINANCIAL COMMUNITY BENEFITS

- Job Training and Employee Assistance Program (through 2017)
- · Community Benefits Fund
- · Interim African Marketplace
- Community First Housing Fund
- Education Improvement Fund
- · Workforce Development Fund

- Scholarship Program
- Construction Assistance Program
- Wellness Contribution
- Implementation Committee

PROGRAMMATIC COMMUNITY BENEFITS

- Community Facilities Space for International
 African Marketplace (IAM)
- Community Builder Program
- Construction Assistance Program "CAP"
- Cultural Historic Recognition Program
- Business Incubator Space Program
- Home Buyer Assistance Program
- Local Community Priority Leasing Program

- Small Business Assistance Program
- · Outreach Program
- Status Reports
- Community Facilities Parcel
- Community Facilities Space
- Community Real Estate Broker Program
- Community Facilities Lots

CLOSING

QUESTIONS AND ANSWERS

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